

Title (en)  
TORSION BEAM SUSPENSION APPARATUS

Title (de)  
VERBUNDLENKERAUFHÄNGUNG

Title (fr)  
APPAREIL DE SUSPENSION A BARRE DE TORSION

Publication  
**EP 1796927 B1 20080813 (EN)**

Application  
**EP 05794320 A 20050929**

Priority  
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• JP 2004294593 A 20041007

Abstract (en)  
[origin: WO2006038121A1] An axial-direction intermediate portion (21) of a torsion beam is pressed so as to have a substantially V-shape cross section. The axial direction intermediate portion (21) includes an outer wall (21a) and an inner wall (21b). Plural protrusions (21a1 ) (convex portions) formed on the outer wall (21a) are in contact with the inner wall (21b). The plural protrusions (21a1) are arranged at predetermined intervals on one straight line along an axial direction of the torsion beam. An inter-wall space (21c) having a width equivalent to a height of the protrusions (21a1) is formed between the outer wall (21a) and the inner wall (21b). The width of the inter-wall space (21c) is set to a predetermined value, considering torsional rigidity and a shear center position of the torsion beam. Since the outer wall (21a) and the inner wall (21b) are in contact with each other at the protrusions (21a1), it is possible to suppress occurrence of abnormal noise that is caused when the outer wall (21a) and the inner wall (21b) slidably contact each other.

IPC 8 full level  
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